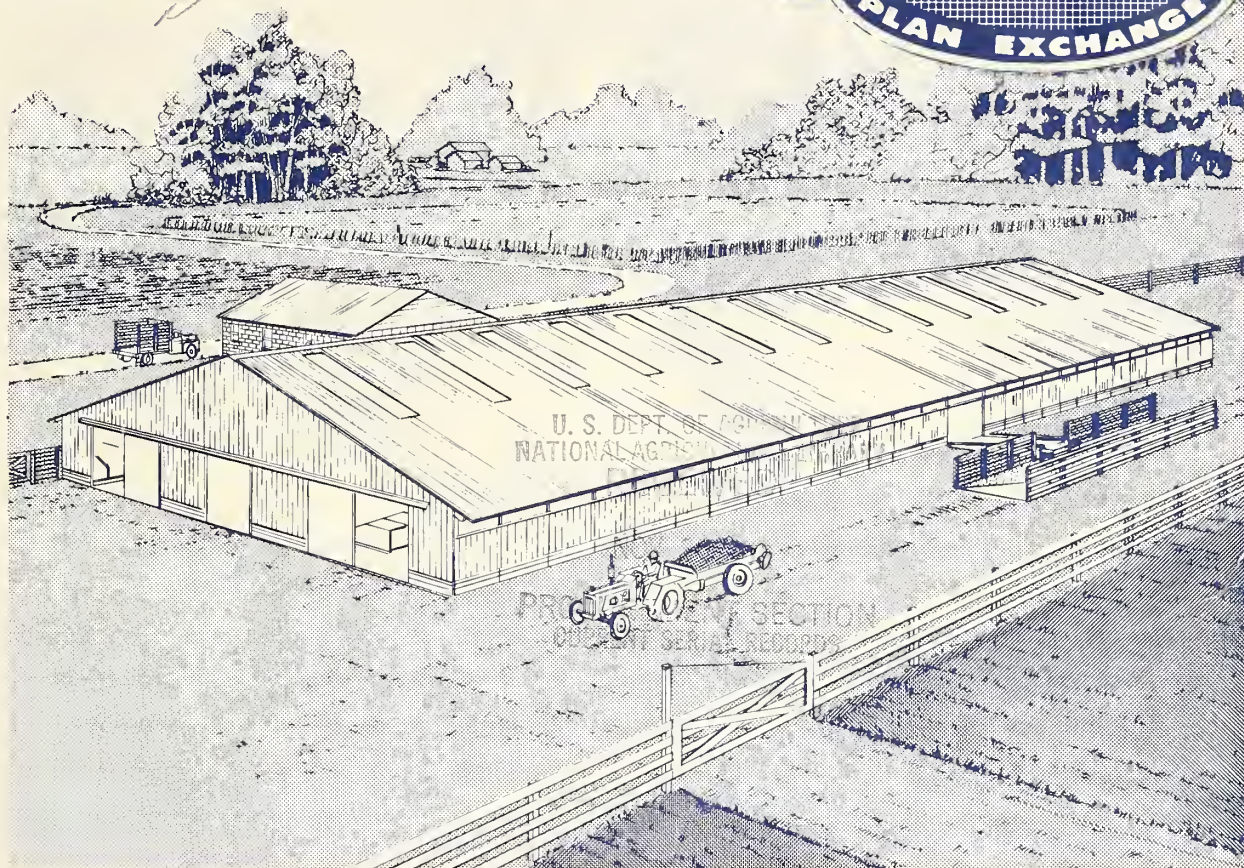


Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.

FREE-STALL BARN

drive-through type



The working drawings for this free-stall confinement system provide for herd sizes from 80 to 320 cows. The building may be constructed to permit the doubling of herd size without major changes in high-cost facilities, such as a milking plant or feed storage and handling equipment.

The cows are housed in a closed, uninsulated barn. Natural ventilation system consists of continuous eave and ridge openings for winter ventilation. Large drop panels on the side walls provide additional airflow during warm weather.

The drive-through feed alley permits distributing silage or field-chopped roughage from a side-unloading wagon. Trench or bunker silos fit into the system without a problem. Because of the feed alley and location of the milking parlor, the cattle may be subherded into herds of 40 to 80 cows. With separate herds, the feed can be rationed efficiently according to milk production. Smaller herds are easier to handle and spend less time waiting in the holding area. Because everything is

centered, the handling of silage, hay, cows, and manure is a relatively efficient operation.

The milking parlor complex is integrated with the main barn. A holding area, large enough to accommodate a smaller herd, is entered through an automatic crowding gate. Features in this plan that are often overlooked are box stalls for freshening animals and a hospital area for sick animals or animals to be bred.

The details of the milking plant are determined by the dairyman's equipment preferences and local health regulations. An office and a utility room complete this layout.

Working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

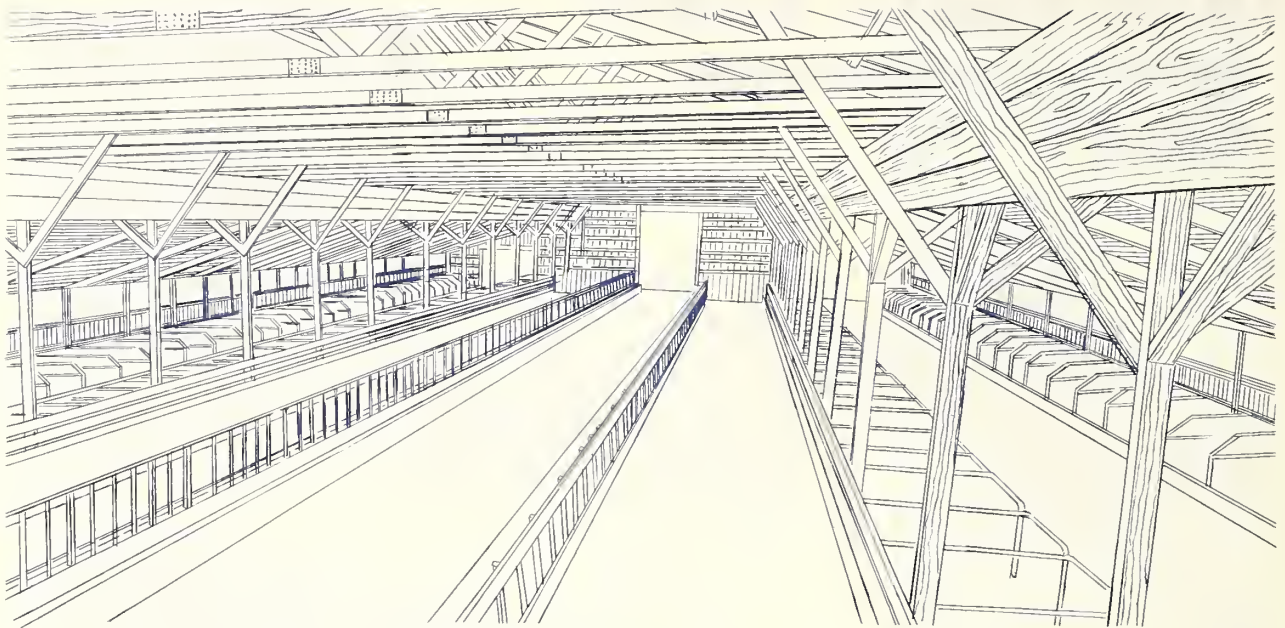
ORDER PLAN NO. 6111, FREE-STALL BARN,
DRIVE-THROUGH TYPE.

Washington, D.C.

Issued September 1972

UNITED STATES DEPARTMENT OF AGRICULTURE

Miscellaneous Publication No. 1241



INTERIOR VIEW OF BARN

